

| RATINGS & CAPACITIES | |
|-------------------------|----------------------------|
| Fuel | Natural Gas or Propane |
| Input - High Fire | 750,000 Btu/Hr. |
| Output - High Fire | 699,000 Btu/Hr. |
| Boiler H.P. | 20.9 H.P. (204.9 kW/Hr.) |
| Inlet Gas Pressure (NG) | 5 PSI Max. 7" W.C. Min. |
| Inlet Gas Pressure (LP) | 2 PSI Max. 7" W.C. Min. |
| Operating Weight | 1641 Lbs. (743 Kg) |

| ELECTRICAL SUPPLY OPTIONS | |
|---------------------------|-----------|
| | MOD: |
| 120v/1ph/60hz: | 12.8 Amps |
| 208v/1ph/60hz: | 9.1 Amps |
| 230v/1ph/60hz: | 9.0 Amps |
| 208v/3ph/60hz: | 7.4 Amps |
| 230v/3ph/60hz: | 7.3 Amps |
| 460v/3ph/60hz: | 6.3 Amps |

| ASME DESIGN DATA | |
|-----------------------|--|
| Max. 160 PSIG & 250°F | |

| BOILER TRIM & CONTROLS | |
|---|-----------------------|
| High Temperature Limit | VFD |
| Flame Safeguard | Pilot Gas Valve |
| High/Low Gas Press Switches | Pilot Gas Regulator |
| Modulating Gas Valve | Pilot/Leak Test Cocks |
| | 3-Way Mixing Valve |
| Blower Motor, 1-1/2 HP | Combustion Air Switch |
| LWCO Flow Switch | Press. & Temp. Gauge |
| Pump (internal), 1/4 HP | Relief Valve |
| Thermal Solutions Boiler Control (TSBC) | |

DOUBLE BLOCK & BLEED(D.B.&B.) GAS TRAIN OPTION

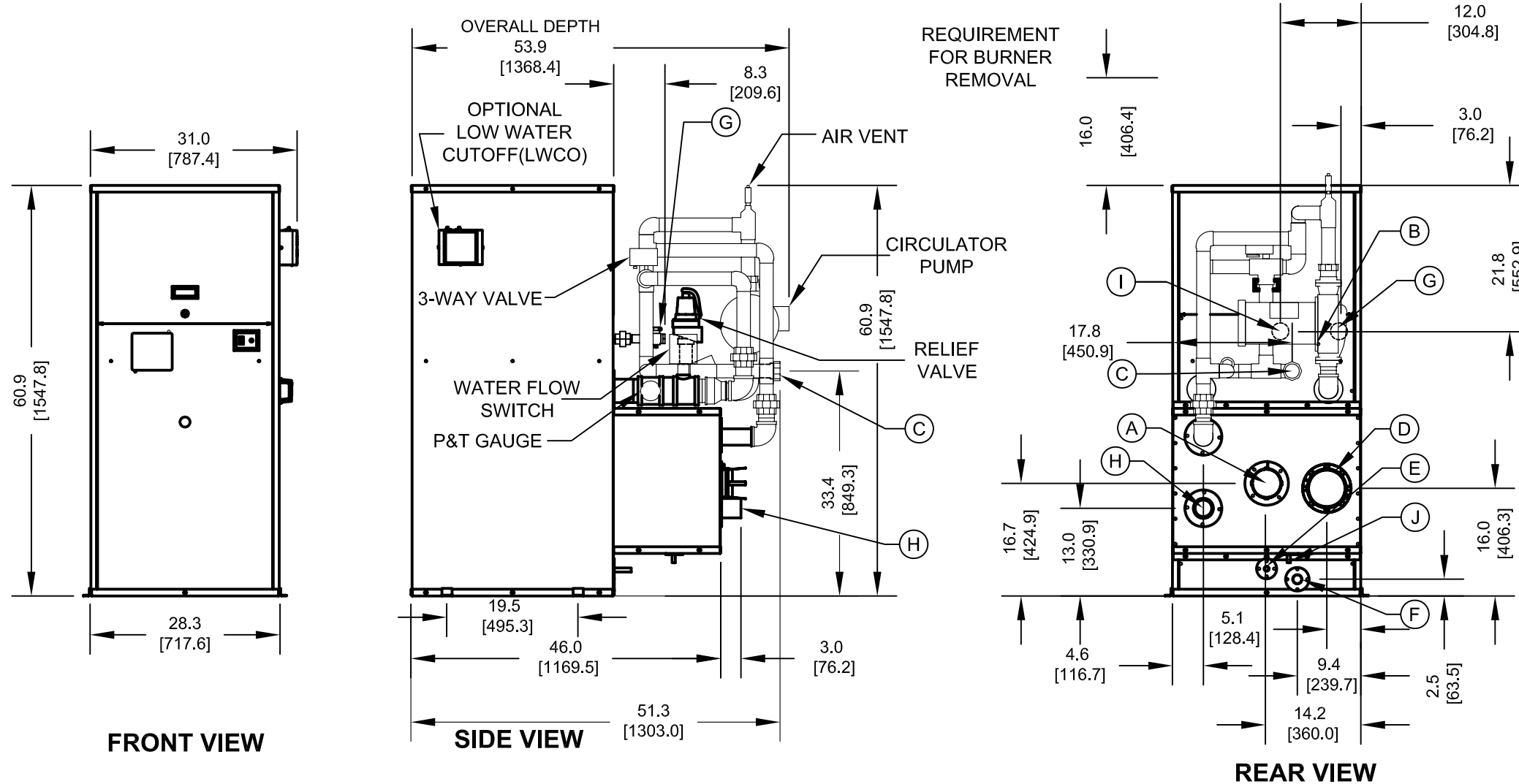
The following components are included in addition to above items when this option is used:
 (2) Motorized Gas Valves
 N.O. Vent Valve

D.B.&B. W/ P.O.C. GAS TRAIN OPTION

The following components are included in addition to above items when this option is used:
 (2) Motorized Gas Valves With Proof Of Closure Switches
 Flame Safeguard that recognizes proof of closure valves.
 N.O. Vent Valve

NOTES:

- SEE O&M FOR REQUIRED INSTALLATION CLEARANCES.
- DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.
- DIMENSIONS ENCLOSED IN () ARE IN MM.



| CONNECTION | DESCRIPTION |
|------------|--|
| (A) | FLUE OUTLET, 4" (101.6) DIAMETER (AL29-4C SS) |
| (B) | GAS PILOT, 1/4" (6.4) O.D. TUBE |
| (C) | WATER SUPPLY TO SYSTEM, 2" NPT |
| (D) | INLET AIR, 6" (152.4) DIAMETER |
| (E) | DRAIN, CONDENSATE, 5/8" (15.9) O.D. TUBE, PRIMARY |
| (F) | DRAIN, BOILER, 1" NPT |
| (G) | GAS SUPPLY, 1" NPT |
| (H) | WATER RETURN FROM SYSTEM, 2 1/2" NPT |
| (I) | GAS VENT, 3/4" NPT (D.B.&B. & D.B.&B. w/POC ONLY) |
| (J) | DRAIN, CONDENSATE, 1/2"(12.7) O.D. TUBE, SECONDARY |

EVCA - 750

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